

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receipt Office use only

International Application No.

21 DEC 2004

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum) NOPCT-24

Box No. I TITLE OF INVENTION

ADHESIVE SHEET AND STACKING MATERIAL

Box No. II APPLICANT

☐ This person is also inventor

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence (if no State of residence is indicated below.)

NAGOYA OILCHEMICAL CO., LTD.
213-5, Honowari, Minamishibata-cho, Tokai-shi, Aichi 467-0001 Japan

Telephone No.
052-603-2611Facsimile No.
052-603-2615

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality:

JAPAN

State (that is, country) of residence:

JAPAN

This person is applicant for the purposes of:

☐ all designated States☒ all designated States except the United States of America☐ the United States of America only☐ the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence (if no State of residence is indicated below.)

OGAWA Masanori
c/o NAGOYA OILCHEMICAL CO., LTD.
213-5, Honowari, Minamishibata-cho, Tokai-shi, Aichi 467-0001 Japan

This person is:

☐ applicant only☒ applicant and inventor☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

JAPAN

State (that is, country) of residence:

JAPAN

This person is applicant for the purposes of:

☐ all designated States☐ all designated States except the United States of America☒ the United States of America only☐ the States indicated in the Supplemental Box☒ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

☒ agent☐ common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

USAMI-Tadao
No. 102, 32, Tsukimigaoka, Yatomi-cho, Mizuho-ku,
Nagoya-shi, Aichi
467-0035-Japan

Telephone No.
052-831-0901Facsimile No.
052-834-2330

Teleprinter No.

Agent's registration No. with the Office
7547

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

ITO Kuninori
c/o NAGOYA OILCHEMICAL CO., LTD.
213-5, Honowari, Minamishibata-cho, Tokai-shi, Aichi 467-0001 Japan

This person is:

- ☐ applicant only
☒ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

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Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

KIOKA Norihiko
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213-5, Honowari, Minamishibata-cho, Tokai-shi, Aichi 467-0001 Japan

This person is:

- ☐ applicant only
☒ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:
JAPAN

State (that is, country) of residence:
JAPAN

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only
☐ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only
☐ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on another continuation sheet.

Box No. V DESIGNATION OF STATES

Mark the applicable check-boxes below; at least one must be marked.

The following designations are hereby made under Rule 4.9(a):

Regional Patent

- ☐ **AP** ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line)
- ☐ **EA** Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP** European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☐ **OA** OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | | |
|--|---|---|
| <input type="checkbox"/> AE United Arab Emirates | <input type="checkbox"/> GM Gambia | <input type="checkbox"/> NZ New Zealand |
| <input type="checkbox"/> AG Antigua and Barbuda | <input type="checkbox"/> HR Croatia | <input type="checkbox"/> OM Oman |
| <input type="checkbox"/> AL Albania | <input type="checkbox"/> HU Hungary | <input type="checkbox"/> PH Philippines |
| <input type="checkbox"/> AM Armenia | <input type="checkbox"/> ID Indonesia | <input type="checkbox"/> PL Poland |
| <input type="checkbox"/> AT Austria | <input type="checkbox"/> IL Israel | <input type="checkbox"/> PT Portugal |
| <input checked="" type="checkbox"/> AU Australia | <input type="checkbox"/> IN India | <input type="checkbox"/> RO Romania |
| <input type="checkbox"/> AZ Azerbaijan | <input type="checkbox"/> IS Iceland | <input type="checkbox"/> RU Russian Federation |
| <input type="checkbox"/> BA Bosnia and Herzegovina | <input checked="" type="checkbox"/> JP Japan | <input type="checkbox"/> SC Seychelles |
| <input type="checkbox"/> BB Barbados | <input type="checkbox"/> KE Kenya | <input type="checkbox"/> SD Sudan |
| <input type="checkbox"/> BG Bulgaria | <input type="checkbox"/> KG Kyrgyzstan | <input type="checkbox"/> SE Sweden |
| <input type="checkbox"/> BR Brazil | <input type="checkbox"/> KP Democratic People's Republic of Korea | <input type="checkbox"/> SG Singapore |
| <input type="checkbox"/> BY Belarus | <input checked="" type="checkbox"/> KR Republic of Korea | <input type="checkbox"/> SK Slovakia |
| <input type="checkbox"/> BZ Belize | <input type="checkbox"/> KZ Kazakhstan | <input type="checkbox"/> SL Sierra Leone |
| <input checked="" type="checkbox"/> CA Canada | <input type="checkbox"/> LC Saint Lucia | <input type="checkbox"/> TJ Tajikistan |
| <input type="checkbox"/> CH & LI Switzerland and Liechtenstein | <input type="checkbox"/> LK Sri Lanka | <input type="checkbox"/> TM Turkmenistan |
| <input checked="" type="checkbox"/> CN China | <input type="checkbox"/> LR Liberia | <input type="checkbox"/> TN Tunisia |
| <input type="checkbox"/> CO Colombia | <input type="checkbox"/> LS Lesotho | <input type="checkbox"/> TR Turkey |
| <input type="checkbox"/> CR Costa Rica | <input type="checkbox"/> LT Lithuania | <input type="checkbox"/> TT Trinidad and Tobago |
| <input type="checkbox"/> CU Cuba | <input type="checkbox"/> LU Luxembourg | <input type="checkbox"/> TZ United Republic of Tanzania |
| <input type="checkbox"/> CZ Czech Republic | <input type="checkbox"/> LV Latvia | <input type="checkbox"/> UA Ukraine |
| <input type="checkbox"/> DE Germany | <input type="checkbox"/> MA Morocco | <input type="checkbox"/> UG Uganda |
| <input type="checkbox"/> DK Denmark | <input type="checkbox"/> MD Republic of Moldova | <input checked="" type="checkbox"/> US United States of America |
| <input type="checkbox"/> DM Dominica | <input type="checkbox"/> MG Madagascar | <input type="checkbox"/> UZ Uzbekistan |
| <input type="checkbox"/> DZ Algeria | <input type="checkbox"/> MK The former Yugoslav Republic of Macedonia | <input type="checkbox"/> VC Saint Vincent and the Grenadines |
| <input type="checkbox"/> EC Ecuador | <input type="checkbox"/> MN Mongolia | <input type="checkbox"/> VN Viet Nam |
| <input type="checkbox"/> EE Estonia | <input type="checkbox"/> MW Malawi | <input type="checkbox"/> YU Yugoslavia |
| <input type="checkbox"/> ES Spain | <input type="checkbox"/> MX Mexico | <input type="checkbox"/> ZA South Africa |
| <input type="checkbox"/> FI Finland | <input type="checkbox"/> MZ Mozambique | <input type="checkbox"/> ZM Zambia |
| <input type="checkbox"/> GB United Kingdom | <input type="checkbox"/> NO Norway | <input type="checkbox"/> ZW Zimbabwe |
| <input type="checkbox"/> GD Grenada | | |
| <input type="checkbox"/> GE Georgia | | |
| <input type="checkbox"/> GH Ghana | | |

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

- | | | |
|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Box No. VI PRIORITY CLAIM

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1)				
item (2)				
item (3)				
item (4)				
item (5)				

☐ Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

☐ all items ☐ item (1) ☐ item (2) ☐ item (3) ☐ item (4) ☐ item (5) ☐ other, see Supplemental Box

* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / JP

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)

Number

Country (or regional Office)

Box No. VIII DECLARATIONS

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

Number of declarations

- | | | |
|---|--|---|
| <input type="checkbox"/> Box No. VIII (i) | Declaration as to the identity of the inventor | : |
| <input type="checkbox"/> Box No. VIII (ii) | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | : |
| <input type="checkbox"/> Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | : |
| <input type="checkbox"/> Box No. VIII (iv) | Declaration of inventorship (only for the purposes of the designation of the United States of America) | : |
| <input type="checkbox"/> Box No. VIII (v) | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | : |

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/06763

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ B32B5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ B32B1/00-35/00, B29B11/16, B29B15/08-15/14,
C08J5/04-5/10, 5/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 55-93612 A (Nitto Electric Industrial Co., Ltd., Shinko Kagaku Kogyo Kabushiki Kaisha), 16 July, 1980 (16.07.80), Claim 2 (Family: none)	1-5

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search
17 March, 2003 (17.03.03)Date of mailing of the international search report
01 April, 2003 (01.04.03)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

Form PCT/ISA/210 (second sheet) (July 1998)

A. 発明の属する分野の分類 (国際特許分類 (IPC))

Int. Cl. B32B5/00

B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))

Int. Cl. B32B1/00-35/00, B29B11/16, B29B15/08-15/14
C08J5/04-5/10, 5/24

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報 1926-1996年

日本国公開実用新案公報 1971-2003年

日本国登録実用新案公報 1994-2003年

日本国実用新案登録公報 1996-2003年

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
X	JP 55-93612 A (日東電気工業株式会社、新興化学工業株式会社) 1980. 07. 16 請求項2 (ファミリーなし)	1-5

☐ C欄の続きにも文献が列挙されている。☐ パテントファミリーに関する別紙を参照。

* 引用文献のカテゴリー

「A」 特に関連のある文献ではなく、一般的技術水準を示すもの

「E」 国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの

「L」 優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)

「O」 口頭による開示、使用、展示等に言及する文献

「P」 国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

「T」 国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの

「X」 特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの

「Y」 特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの

「&」 同一パテントファミリー文献

国際調査を完了した日

17. 03. 03

国際調査報告の発送日

01.04.03

国際調査機関の名称及びあて先

日本国特許庁 (ISA/JP)

郵便番号100-8915

東京都千代田区霞が関三丁目4番3号

特許庁審査官 (権限のある職員)

川端 康之

4S

9156

電話番号 03-3581-1101 内線 3430

様式PCT/ISA/210 (第2ページ) (1998年7月)